

Xerox Document Services Platform

Getting ready
for the
DocuSP Installation



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Table of contents

Table of contents	1
Installation worksheets	1
Using the installation worksheets	1
Available worksheets	2
About the worksheets	4
W-1: Solaris operating system worksheet	5
W-2: Xerox Security worksheet	9
W-3: Xerox Document Services Platform software worksheet.....	11
W-4: System configuration worksheet	13
W-5: Document Services Platform software and gateways worksheet.....	16
W-6: Network configuration worksheet.....	17
W-7: Novell NetWare gateway installation worksheet.....	20
W-8: AppleTalk Gateway installation worksheet	24
W-9: SNMP Gateway installation worksheet.....	26
W-10: Client workstations	27
W-11: Remote Services	27
W-12: Data Overwrite and Backup Configuration.....	28

Installation worksheets

The *Getting Ready for the DocuSP Installation* guide has been developed for you to use in the gathering of technical data that will be required by the Xerox personnel during installation of your customer's Document Services Platform hardware and software. It is used in conjunction with the appropriate printer installation planning guide.

Using the installation worksheets

The Xerox printer with DocuSP software provides a wide range of network printing services on industry-standard networks, and consists of the following:

- The DocuSP controller is a UNIX-based computer workstation with a Xerox interface PWB and DocuSP software installed.
- A supported Xerox printer.

Getting Ready for the DocuSP Installation contains the worksheets that must be completed to support the installation of the Xerox DocuSP software on the controller.

When these worksheets are completed they will contain a record of the state of the system at the time of install. Most likely, this setup and configuration state will change, so encourage your customer to keep these worksheets with the service record of the printer for future reference.

Your customer should not complete the worksheets if they are not sure of the required information. Always encourage them to contact the next level of technical support within their organization for assistance.

NOTE: Worksheet 5, the Novell NetWare gateway installation worksheet, refers to on-site setup requirements that your customer's network administrator should already have implemented prior to the DocuSP install. The values for the data elements entered during that setup activity should be recorded on this worksheet.

Available worksheets

The following is a list of the worksheets that support the installation of the DocuSP software:

- **Worksheet W-1: Solaris Operating System software**
Complete this worksheet for each DocuSP controller. This information is used by the Xerox service representative to install the Solaris operating system and is a required worksheet.
- **Worksheet W-2: Xerox Security**
This information is used by the Xerox service representative to set the appropriate level of security on the DocuSP controller. This worksheet requires an understanding of the level of access required by the customer's workflow and applications, such as DigiPath.
- **Worksheet W-3: Xerox Document Services Platform software**
Complete this worksheet for each DocuSP controller. This information is used by the Xerox service representative to install the DocuSP software.
- **Worksheet W-4: System configuration**
This information is used by the Xerox service representative to connect the DocuSP controller to the Xerox printer and is a required worksheet.
- **Worksheet W-5: Document Services Platform software and gateways**
This information is used by the Xerox service representative to ensure the proper licenses are loaded for the DocuSP software.
- **Worksheet W-6: Network Configuration**
This information is used by the Xerox service representative to set up and configure the network configuration of the DocuSP to match the customer's site.

This information can also be used by the customer to configure additional network information or to change the network configuration at some future date.
- **Worksheet W-7: Novell NetWare Gateway installation**
This information is used by the Xerox service representative to set up the Novell NetWare gateway.

This information is also used by the customer to set up the gateways on the DocuSP controller after the gateways have been installed and licensed.
- **Worksheet W-8: AppleTalk Gateway installation**

This information is used by the Xerox service representative to set up the AppleTalk Gateway.

This information can also be used by the customer to set up the AppleTalk Gateway after the gateway has been installed and licensed.

- **Worksheet W-9: SNMP Gateway Installation**

This information can be used by either the Xerox service representative or the customer to set up the SNMP Gateway after the gateway has been installed and licensed.

- **Worksheet W-10: Client workstations**

This worksheet is used only when your customer has contracted Xerox to install additional document submission software or print drivers on their client workstations.

- **Worksheet W-11: Remote Services**

Remote Services is an option that allows the customer to interact with Xerox through a web-based browser to resolve printing issues, download and install software patches, and send machine and job data to Xerox.

The information collected on this worksheet is used by the Xerox service representative to set up the Remote Services software.

- **Worksheet W-12: Data Overwrite and Backup Configuration**

Data Overwrite software removes all data from the spool, swap, and outQ partitions of the DocuSP hard disk. The data cannot be retrieved.

Backup Configuration utility will allow customers to backup and restore system configuration files as well as Remote Services configuration files.

The information collected on this worksheet is used by the Xerox service representative to set up the Data Overwrite and Backup Configuration features.

About the worksheets

The worksheets contain a combination of the following elements:

- The **Data Element** column contains a list of the specific items of information needed to perform the procedure identified in the worksheet title. Definitions for the required data elements immediately follow each worksheet.
- Use the **Customer Value** column to enter the necessary data element value. If the value is pre-determined, the value required is indicated in the column.

Although necessary for install, it is up to your customer to decide whether these values should be entered in the tables. If the values are not available in the tables, make sure your customer will be able to provide the information during install.

W-1: Solaris operating system worksheet

The Xerox service representative uses the following information during the installation of the Solaris operating system on the DocuSP controller.

Data Element	Customer Value
Language	
Locale	
Network configuration	Ethernet Token Ring
DHCP	YES NO
Primary network interface (Sun Ultra workstations only)	hme0 (standard) hme1
Primary network interface (Sun Blade 1000/2000 only)	eri0 (twisted pair – standard) fcip0 (fiber optic)
Primary network interface (Sun Blade 2500)	bge0 (standard) cme0 cme1
Hostname	
IP Address	
Subnetworks	YES NO
Subnetwork mask (Only if Subnetworks = Yes)	
Ipv6	NO
Set the Default Route =>Default Route IP address	
Kerberos Security	NO
Name service type (In order to load and enable Remote Services, a Name Service such as DNS must be used)	Select one: NIS+ NIS DNS LDAP None
Domain Name (From W-6)	
Domain Server (From W-6)	Host: IP Address:
Continent and Country	
Time zone	
Data Overwrite and Backup Configuration	
I plan to use data-overwrite on this system. (From W-12)	YES NO

Data Element	Customer Value
I plan on using backup. (From W-12)	YES NO
How much space do you want to set-aside for Backups? (From W-12) <i>NOTE: selection is via on-screen slider bar.</i>	

W-1 data element definitions

Language: Select the language from the available list.

Locale: Select the locale from the available list.

Network configuration: The available network configurations are Ethernet and Token Ring. Ethernet is the default configuration. In order to utilize a Token Ring configuration, a Token Ring kit is required.

DHCP: Dynamic Host Configuration Protocol. This is a TCP/IP addressing method. If selected, the system should automatically contact the DHCP server to obtain the IP address, subnet mask, and default gateway address. This information can also be manually entered into the DocuSP Network Configuration screens.

Primary Network Interface: The primary network interface may be automatically determined by the software during installation. If the customer site is using a fiber optic interface with the Sun Blade 1000, 2000, or 2500, select the correct option.

Hostname: This is the name the controller will be known as by users from other host machines on the TCP/IP network. This name is an alias mapped to the IP address that is assigned to the print server/host machine. The Hostname must start with an alphabetic character, and cannot start with a number, space, or any other non-alphabetic character.

IP Address: The IP or Internet Address is a unique 4 byte, 32 bit numeric value that is assigned to each local host and workstation on a TCP/IP network. An IP address consists of four fields, each separated by a decimal point. For example: 13.254.166.111.

NOTE: The TCP/IP Internet spans the entire world. The Internet central committee assigns a set of unique network addresses to your customer's company. The customer network administrator assigns IP address numbers within this set to each host and workstation on the network.

Subnetwork: A "YES" answer to this query indicates that your customer's network is divided into segments or "subnets." In this instance the following data element, subnetwork mask, must also be provided.

Subnet mask: The subnet mask is a decimal or hexadecimal group of four fields, each separated by a decimal point that indicates how much of the IP Address is used with the Network number to create subnets. The following is an example of a subnet mask in its decimal and hexadecimal form.

255.255.0.0 = 0xff.0xff.0x0.0x0

The subnet mask is derived by the network administrator according to how many subnets are needed. The subnet mask is the same for all hosts that exist on a given network. Your customer's network administrator can provide this information.

Ipv6: Internet protocol version 6. DocuSP is not using this version of the Internet protocol at this time. Do not select this option.

Kerberos Security: Kerberos security is a network authentication protocol that is provided with the Solaris environment. DocuSP does not currently support this protocol.

Name service type: DNS, NIS, NIS+, and LDAP are network information services that hold user information. None indicates that the user information is held locally. Additional information for each of these services should be entered in the appropriate table in W-6. The network services are enabled and configured using the DocuSP Network Configuration screens.

NOTE: In order to load and enable Remote Services, DNS must be the name service type.

Continent and Country: Enter your customer's geographical country or region. The selections available are Africa, Western Asia, Eastern Asia, Australia/New Zealand, Canada, Europe, Central America, South America, United States, Other (offset from GMT), Other (specify rules file).

Time zone: Enter your customer's time zone. The selections available are: Eastern, Central, Mountain, Pacific, Yukon, East—Indiana, Arizona, Michigan, Samoa, Aleutian, Hawaii, none of these (return to regional menu).

Default router IP address: The default router IP address is a unique 4 byte, 32 bit numeric value, for example, 13.252.12.198 that identifies the machine that is acting as the main router. The router maintains tables of addresses of many networks in order to forward data packets between these networks. During install, the service representative creates a default router file on the controller, if one does not already exist, and this number is added to a line in the new file. Your customer's network administrator should provide this number.

NOTE: If another machine is not identified as the default router, the controller will automatically take over the main router function. This may noticeably slow down processing on the network.

W-2: Xerox Security worksheet

Security is automatically installed and set to the default secure mode of Low. Security can be modified from High (fully secure) to None (not secure) through the DocuSP interface.

The System Administrator can modify the security levels through the DocuSP user interface.

For additional information on security, refer to the following table and the *Xerox Document Services Platform Series Common Controller System Guide*.

Profile	Characteristics	Value	Legacy Compatibility	Comments
None	<ul style="list-style-type: none"> • Default Solaris and system security • All ports open • The User login can reprint anything • Full workspace menu • Auto login is enabled 	For customers that have a physically closed environment	Close to DocuSP 2.1 / 3.1 with no adjustments Similar to DocuSP 3.x Medium	Anonymous FTP is read-only and restricted
Low (default profile)	<ul style="list-style-type: none"> • FTP enabled • telnet, rsh disabled • NFS client is enabled • AUTOFS is enabled • The User login can reprint from Saved Jobs and CD-ROM • Terminal window is password protected • Auto login is enabled 	First choice setting for nearly all marketplaces.	Similar to DocuSP 3.x High Supports FreeFlow™ Prepress Suite workflow	Anonymous FTP is read-only and restricted To enable telnet, go to Setup -> FTP/Remote Diagnostics menu
Medium	<ul style="list-style-type: none"> • FTP is enabled • telnet, rsh disabled • NFS client is disabled • AUTOFS is disabled, e.g., /net/<hostname> and /home/<username> are not automatically mounted • NFS server is filtered via RPC tab • The User login can reprint from CD-ROM • Terminal window is password protected • Auto login is enabled 	For customers who need to have high security but also need to integrate with FreeFlow™ Prepress Suite	Supports FreeFlow™ Prepress Suite workflow	Anonymous FTP is read-only and restricted To enable telnet, go to Setup -> FTP/Remote Diagnostics menu
High	<ul style="list-style-type: none"> • FTP disabled • telnet, rsh disabled • NFS client is disabled • AUTOFS is disabled, e.g., /net/<hostname> and /home/<username> are not automatically mounted • NFS server is disabled on customer network • The User login cannot reprint anything • Terminal window is password protected • Auto login is disabled (login is always required from GUI) 	Targeted for secure sites	Does not support FreeFlow™ Prepress Suite workflow	FTP is disabled File transfer can be done via Secure FTP

W-3: Xerox Document Services Platform software worksheet

The Xerox service representative uses the following information during the installation of the DocuSP software. During this process the gateway, which allows the DocuSP controller to receive documents and requests from UNIX clients, or PC clients using TCP/IP protocol, is installed. At the client workstation, native UNIX print commands such as lpr or the Xerox command line print utility can then be used to submit jobs to the controller.

Data Element	Customer Value
UNIX User information User name	
User ID	
User password	
Client IP address	
User comment	
Client hostname	
PC User information: User name	
User ID	
User password	
Client IP address	
User comment	
Client hostname	
Client hostname	
Other input devices (i.e. FreeFlow™ Prepress Suite): User name	
User ID	
User password	
Client IP address	
User comment	
Client hostname	

W-3 data element definitions

NOTE: A new user will be created on the DocuSP controller to accept print jobs from command line clients at either a UNIX or PC workstation, or both. The first five data elements, User name, password, IP address, User ID, and comment, are required for these clients.

User name: A distinctive name that each user needs in order to gain access to the UNIX OS, which in turn associates the name to the correct User ID in a UNIX host password file that grants access.

User ID: Enter the client user identification number that will be used to uniquely identify the new user. This is a decimal or binary number that represents a user login account. If the host machine is on an NIS network (see W-1), then the uids are managed from a central master server.

Example:

```
/etc/passwd entry:  
    >bob:*:200:800:Bob Lin:/home/bob:/usr/bin
```

You can find the User ID by performing the following at the UNIX client workstation:

- Non-NIS network. On the command line enter the following:

```
cat /etc/passwd|grep [Client users name]
```
- NIS network. On the command line enter the following:

```
ypcat password|grep [Client users name]
```

User password: The command line client should be prepared to provide this information during installation.

In this worksheet the term “client” refers to the actual workstation that will be used to submit jobs to the controller, and the term “user” refers to the individual submitting jobs from that workstation.

Client IP address: The unique Internet address of the workstation that will be submitting jobs to the controller.

User comment: Enter any additional information that may provide a more unique identification of the new user.

Client hostname: The hostname of the workstation that will be used to submit jobs to the controller. This entry is used in the hosts.equiv file that is created during install.

W-4: System configuration worksheet

The Xerox service representative uses the following information during the set up and configuration of the dC105 diagnostics screen.

Data Element	Customer Value
Server serial number	
Printer serial number supported Xerox printer only	
Customer service telephone number	
Customer telephone number	
Customer name & address	
Market Region	
Printer Type	
Service Option	
Remote Connectivity Enabled Disabled	
Remote Phone Number	
Network cable	Circle one: 1. Twisted Pair Ethernet (TPE) RJ-45 2. Thick Net Ethernet (AUI) 3. Coax/Thinnet
Host ID	
Ethernet address	
IP address of Default Router	
Virtual Printer Name	

W-4 data element definitions

Server serial number: The serial number for the Sun platform.

Printer serial number: The serial number for the printer.

Customer Service telephone number: The 1-800 telephone number used by the customer when service assistance is needed.

Customer telephone number

Customer name and address

Market Region: Select the appropriate market region from the following list:

USCO

XL (UK)

XCI

FX

Printer type: Enter the type of printer being installed. For example, DocuTech 6135.

Service option: Select one of the following service options, based on your customer's contract:

None

1x5 (1 Shift, M—F)

2x5 (2 Shifts, M—F)

3x5 (3 Shifts, M—F)

3x7 (3 Shifts, 7 days)

Time & Materials

Remote connectivity: Select enabled or disabled.

Remote phone number:

Network cable: During this process the network cable is connected to the print server. Make sure the correct network cable is available for this procedure. The only direct network cable type available on the Sun platforms is UTP. Any other media type requires a converter that must be supplied by the customer. A converter that provides an AUI type connection is available from Xerox.

Host ID & Ethernet address: This information displays on the first three lines of the Sun Microsystems banner screen at the beginning of the Solaris OS software installation. The service representative will enter both data elements on this worksheet for reference during the installation process.

IP address of Default Router: The default router IP address is a unique 4 byte, 32-bit numeric value that identifies the machine that is acting as the main router. The router maintains tables of addresses of many networks in order to forward data packets between these networks. During install, the service representative adds this number to the system. Your customer's network administrator should provide this number.

W-5: Document Services Platform software and gateways worksheet

Indicate which gateways and other software features have been selected by the customer to be licensed on the controller.

Data Element	Customer Value	
DigiPath (FreeFlow) Gateway	YES	NO
Novell NetWare Gateway	YES	NO
AppleTalk Gateway	YES	NO
IPP Gateway	YES	NO
TCP/IP Socket Gateway	YES	NO
Online Gateway	YES	NO
Tape Client Gateway	YES	NO
SNMP Gateway	YES	NO
PostScript decomposer/Interpreter	YES	NO
PCL decomposer/Interpreter	YES	NO
TIFF decomposer/Interpreter	YES	NO
LCDS decomposer/Interpreter	YES	NO
PPML decomposer/Interpreter	YES	NO
IPDS decomposer/Interpreter *	YES	NO
Imposition	YES	NO
CID fonts (double byte fonts used in Asian countries only)	YES	NO
Xerox Diagnostics with Productivity Tools	YES	NO
Customer Productivity Workshop Diagnostics (eXcellerate)	YES	NO
Job Preview	YES	NO
Page Parallel RIP (Color only)	YES	NO
VIPP	YES	NO

* IPDS is not available at this time.

W-6: Network configuration worksheet

Fill out the appropriate worksheet for the network configuration the customer is using. This information is used to configure the network through the DocuSP Network Configuration screens.

For further information on each network configuration, refer to the DocuSP on-line help.

IP configuration

Two options are available for configuring TCP/IP on the DocuSP.

Static IP configuration requires that the System Administrator enter the hostname, IP address, default router gateway, and subnetwork mask information into the Network configuration UI. This information is available on Worksheet W-1.

DHCP, or Dynamic Host Configuration Protocol, retrieves the values for the configuration from the DHCP server on the network. The System Administrator can rewrite the hostname.

NIS/NIS+

The Network Information Service (NIS and NIS+) provides simple network lookup services. The purpose of NIS and NIS+ is to provide information that needs to be known throughout the network to all machines on the network.

If the Domain Name, Server IP Address, and Server Name are not known, select Find One in the dialog. The appropriate information is obtained from the NIS/NIS+ server on the network. The server must be configured to accept broadcast requests.

Data Element	Customer Value
Find NIS+ Server	Find one Specify
NIS/NIS+ Domain Name	
NIS/NIS+ Server IP address	
NIS/NIS+ Server Name	

DNS (Domain Name System)

DNS provides the ability to map hostnames to IP addresses, as well as a mechanism for storing and retrieving information on the network. If the customer is using DNS for Hostname resolution on their network, fill out the appropriate information below.

Domain name specifies the local domain name.

DNS server list specifies the IP address or addresses of the name servers that the system is to query.

Domain search list specifies the look up list of host names. The local domain name should be listed as a default.

Dynamic DNS extends the capability of DNS to allow for dynamic updates to the database. If the customer is using Dynamic DNS, select to enable Dynamic DNS Registration.

Data Element	Customer Value
Dynamic DNS Registration	Yes No
Domain Name	
DNS Server List IP address or addresses of the DNS servers	
Domain Search List	

WINS (Windows Internet Name Service)

WINS provides the ability to easily locate devices on a network. WINS maintains a database of NetBIOS names to IP address mappings so users or applications can specify a name instead of an IP address for a particular resource on the network.

The Primary WINS server IP address can be entered and used for all WINS and SMB operations.

If the Primary WINS server field is left empty, the WINS client broadcasts the request to the first available WINS server on the network.

Data Element	Customer Value
Primary WINS Server	

Active Directory Services (ADS)

Active Directory Services is a Windows-based name service typically used with Windows NT or 2000.

Data Element	Customer Value
ADS Domain	

SMB/FTP Filing capability

This feature enables the ability to transfer files or save jobs to locations on the network.

SMB filing is the underlying protocol for WINS. In order to use SMB, WINS has to be enabled and a NetBIOS name entered into the field.

FTP and SFTP are protocols used to transfer files between two computer systems. SFTP, Secure File Transport Protocol, encrypts the data for security.

Data Element	Customer Value
SMB Filing	Yes No
FTP Filing	Yes No
SFTP Filing	Yes No
NetBIOS Name (DocuSP Hostname from W-1)	

Connections

The Connections feature is set to automatic on install, allowing the DocuSP software to automatically detect the highest speed available.

However, if the customer is using an older speed hub or has a configuration that requires manually setting the Ethernet speed, note the required speed below.

Data Element	Customer Value
Ethernet speed (the speeds available are dependent upon the installed Ethernet interface card)	Automatic 10 mbit/sec 100 mbit/sec 1000 mbit/sec
Ethernet MAC Address	Automatically filled in

W-7: Novell NetWare gateway installation worksheet

Fill out this worksheet only if the customer has purchased the Novell Connectivity — QServer gateway.

The Novell NetWare software is the gateway that allows clients to communicate through a Novell Server (PC) to the DocuSP controller (Sun). Your customer's network administrator or the Xerox Systems Analyst at each Novell server that will be submitting documents to the DocuSP controller gathers the information in this worksheet. At install, the service representative uses this information to set up and configure the QServer gateway software on the controller. The QServer software is included in the DocuSP installation.

Data Element	Customer Value
Novell Internal Net Number	
Novell Net Number	
Framing type	Choose one: 1. ETHERNET_802.3 2. ETHERNET_802.2 3. ETHERNET_II
Tree Name (NDS)	
Context Name (NDS)	
Novell file server name	
Novell print queue name	
Novell print server name	
Novell print server password	
Novell print server operator user name	
Novell print server operator user password	
Novell printer name	

W-7 data element definitions

This section defines the data elements determined by the network administrator or the Xerox Systems Analyst during the setup of the NetWare Gateway on each Novell Server that will be transferring documents from Novell clients to the controller.

To support a smoother, faster install process, make sure these data elements are known and entered in this worksheet before the scheduled day of installation.

Novell Internal network number: This is the internal network number, assigned to the controller that identifies the DocuSP controller on the Novell network. This data element must be a new, eight-digit hexadecimal number that is a unique number on the Novell network, and is available from the network administrator.

NOTE: If necessary, pad the number with zeros from the left to achieve the eight digits.

Novell network number: This is an eight digit, hexadecimal network number that identifies the Novell network. The external network number can be any number defined that falls within the range of 1 to FFFFFFFE.

NOTE: This number must be the same on both the Novell server and the controller.

You can find the Novell network number by entering the CONFIG command at the Novell File Server system console prompt, as in the following Frame type ETHERNET_802.3 example. The network number is in bold, on the last line of this example, as the LAN protocol IPX network number, and may also be referred to as the Ethernet Net Number.

```
File server name: Cust 2
IPX internal network number: 0123A.B09

Novell NE2000
  Version 3.25 June 17, 1993
  Hardware setting: I/O Port 300h to 31Fh,
  Interrupt 3h
  Node address 00009B99E999
  Frame type: ETHERNET 802.3
  Boardname: PUBLIC
  LAN protocol: IPX network 0000BB09
```

At this point make a note of the name of the file server since it will be needed later. This information will appear after the entry, File server name. The comparable ETHERNET_II entry would look like the follow example. In the following example the name of the file server is **Cust_2** and the network number is in bold, on the last line as the LAN protocol IPX network number.

Remember, this is an example, and your setup will most likely be different.

```
File server name: Cust 2
IPX internal network number: 0123AB09
```

```
Novell NE2000
  Version 3.25 June 17, 1993
  Hardware setting: I/O Port 320h to 33Fh,
  Interrupt 2h
  Node address: 00009B99E9B9
  Frame type: ETHERNET II
  Boardname: DOCUTECH
  LAN protocol: ARP
  LAN protocol: IP address 13.254.166.111
  mask FF.FF.FC.0
  Interrupt 2h
  LAN protocol: XNS
  LAN protocol: IPX network 0000BB09
```

Printer and queue names must be unique and can be made up of a maximum of 14 alphanumeric characters and underscores.

Frame type: The “Frame type” is necessary for install and must be the same as the Novell File Server. The frame type is used to determine the following two data elements:

```
ETHERNET_802.3
ETHERNET_802.2
ETHERNET_II
```

NOTE: If the network will be running both Novell NetWare and AppleTalk, the frame type must be ETHERNET_II.

NOTE: Selecting multiple frame types may cause the network to slow down.

Tree Name (NDS): The name of the Novell directory tree where the print server object resides.

Context Name (NDS): The context within the directory tree where the NDS object resides.

Novell file server name: Enter the name of the file server on which the print queue, print server, and printer will be created or already reside.

Novell print queue name: This print queue will hold the print jobs until the Xerox server is ready. Enter the name for this queue in this column.

Novell print server name: The print server submits the job from the queue to the Xerox server. Enter the name for this server in this column.

Novell print server password: The Novell Network administrator password.

Novell print server operator user name: The name of the Novell print server user with the capability to operate the Novell print server. The controller uses this operator account to manage operations with the Novell Server. Enter the full <User Name> for this user as the data element.

Novell print server operator user password: The print server operator should be prepared to provide this information at the time of the gateway setup.

Novell printer name: One printer, of a type Remote Other/Unknown, will be created at this time to represent the Xerox printer. Enter the name for the printer in this column, for example, DT6135, to represent a DocuTech 6135 printer.

W-8: AppleTalk Gateway installation worksheet

If the customer has purchased the AppleTalk Connectivity — Apple PAP gateway, fill out this worksheet.

Data Elements	Customer Value
AppleTalk Phase Type	
AppleTalk zone name	

W-8 data element definitions

AppleTalk Phase Type: There are three AppleTalk Phase Types:

- Phase 1 (non-extended network) is a single physical network that can support up to 254 node addresses (devices). There is only one network number and one zone assigned to the network.

Phase 1 is not configured as Phase 1, but should follow the Transition mode install procedure. This is done so that Macintosh Transparent Printing can be enabled.

- Phase 2 (extended network) is a network in which there are two or more network numbers assigned to a single physical network. Each network number on an extended network is an addressing channel that can support 253 devices and only one zone name. Phase 2 routers can be configured to support non-extended networks.
- Transition mode (Phase 2 Transition) is a way of configuring a Phase 2 router so that it can function on an internet that includes Phase 1 routers. Since Phase 1 routers cannot recognize multiple network numbers or multiple zones on a network, a Phase 2 router in the transition mode is deliberately limited to addressing only 253 devices.

You can determine which EtherTalk phase types is running by completing the following steps:

- Select the Control panel from the Apple Menu Icon (upper left corner of the screen on a Macintosh).
- Double-click the Network icon.
- The icon describes the phase type:
 - An icon showing two single opposing arrows represents EtherTalk 1.0 (Phase 1).
 - An icon showing two double opposing arrows represents EtherTalk 2.0 (Phase 2).

Should the EtherTalk 2.0 icon appear, double-click on it and see if an Internet router is found. If one is found, a panel appears

telling the user they belong to "SOMEZONE", which is the network default zone and the first one in the list, if a zone list exists. Be careful not to make assumptions and be sure to obtain detailed network specific information from the site network administrator. The network administrator may try the AppleShare icon first to see which network the Macintosh is currently configured for. Remember, the network can be toggled between whatever network icons appear in the Control Panel and since LocalTalk is built-in, LocalTalk may be selected as well.

AppleTalk NLM Zone Name: For a Novell Server running AppleTalk, this represents the name of the zone in which the Network Server will reside and is also assigned in the Load AppleTalk statement. This refers to the parameter "Apple-big-zone".

NOTE: If the network will be running both Novell NetWare and AppleTalk, the frame type must be Ethernet_II.

W-9: SNMP Gateway installation worksheet

If the customer is planning on using the SNMP Gateway, fill out this worksheet. When SNMP is installed and licensed, items such as the Printer ID is automatically configured.

Data Elements	Customer Value
Enabled	YES NO
Authentication Traps	YES NO
Client IP Address	
Client Port number	
Trap Persistence	
Trap SNMP Version	SNMP v. 1
Traps type:	
Printer Alert	ON OFF
Cold Start	ON OFF
Warm Start	ON OFF
Link Up	ON OFF
Link Down	ON OFF
Authentication Failure	ON OFF
SNMP Serial numbers:	
Tray 1	
Tray 2	
Tray 3	
Tray 4	
Tray 5	
Tray 6	
Stacker	
Finishing device(s)	

W-9 Data elements

Enabled: The System Administrator can enable or disable the SNMP gateway as desired.

W-10: Client workstations

The client submission software is now available in the following:

- ◆ CentreWare drivers designed and packaged for each DocuSP printer family. Follow the installation instructions packaged with the drivers.
- ◆ FreeFlow Print Manager, which replaces the XDS Plus software. Follow the installation instructions provided with the software.

W-11: Remote Services

If the customer has agreed to enable and use Remote Services, the following information is necessary to configure the DocuSP and Remote Services interface.

Data Element	Customer Value
IP Address	
Port	
DNS name With DNS – use the Hostname Without DNS – use the IP address	
Level of internet access the customer will allow	Full internet access No internet access
Is a firewall used to restrict internet access to the customer's network?	Yes No
If a firewall is used: HTTP Proxy Server IP address User name (if required) Password (if required)	
Does the firewall restrict data transmission in any way (for example, .zip files blocked)? List the restrictions below:	Yes No

W-12: Data Overwrite and Backup Configuration

If the customer has agreed to enable and use data overwrite and backup services, the following information is necessary to configure the DocuSP. If the data overwrite box is not checked, the data overwrite software should not be installed or used. Data overwrite will not work. The customer will need to scrape the system and check the disk overwrite box.

Data Element	Customer Value	
I plan to use data-overwrite on this system.	Yes	No
I plan on using backup.	Yes	No
How much space do you want to set-aside for Backups? <i>NOTE: selection is via on-screen slider bar.</i>		